TRANSPORTATION RESEARCH

Part E: Logistics and Transportation Review

List of Contents and Author Index

Volume 35E, 1999

PERGAMON

Transportation Research

Part E: Logistics and Transportation Review

Editor-in-Chief

W. G. WATERS II

Faculty of Commerce & Business Administration, The University of British Columbia, 100-1924 West Mall, Vancouver, B.C., Canada V6T 1Z2

Book Review Editor

GARLAND CHOW, Faculty of Commerce & Business Administration, The University of British Columbia, 100-1924 West Mall, Vancouver, B.C., Canada V6T 1Z2

Associate Editors

JAMES H. BOOKBINDER, University of Waterloo, Canada
THOMAS M. CORSI, University of Maryland, MD, U.S.A.
DAVID GILLEN, Wilfrid Laurier University, Canada
PAUL HOOPER, National University of Singapore, Singapore
WAYNE K. TALLEY, Old Dominion University, VA, U.S.A.
JOHN E. TYWORTH, Pennsylvania State University, PA, U.S.A.
MARK R. WARDMAN, Leeds University, U.K.

Editorial Advisory Board

MARY R. BROOKS, Dalhousie University, Halifax, Canada
MICHAEL BRONZINI, Oak Ridge National Laboratory, Oak Ridge, TN, U.S.A.
KENNETH BUTTON, George Mason University, Fairfax, VA, U.S.A.
WILLIAM GARRISON, University of California–Berkeley, CA, U.S.A.
NICHOLAS GLASKOWSKY, University of Miami, FL, U.S.A.
TREVOR D. HEAVER, University of British Columbia, Vancouver, Canada
DAVID HENSHER, University of Sydney, Australia
SUNG-WOOK HONG, Korea Transport Institute, Seoul, Korea
B. STARR MCMULLEN, Oregon State University, Corvallis, OR, U.S.A.
HERBERT MOHRING, University of Minnesota, MN, U.S.A.
TAE HOON OUM, University of British Columbia, Vancouver, Canada
JOHN H. E. TAPLIN, University of Western Australia, Perth, Australia

Author Services Department: For queries relating to the general submission of articles (including electronic text and artwork) and the status of accepted manuscripts, please contact the Author Services Department: *E-mail*: authors@elsevier.co.uk; *Fax*: +44 (0)1865 843905; *Tel.*: +44 (0)1865 843900.

Advertising information: Advertising orders and enquiries can be sent to: **USA, Canada and South America:** Mr Tino de Carlo, The Advertising Department, Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: t.decarlo@elsevier.com. **Japan:** The Advertising Department, Elsevier Science K.K., 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047. **Europe and ROW:** Rachel Gresle-Farthing, The Advertising Department, Elsevier Science Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843565; fax: (+44) (1865) 843976; e-mail: r.gresle-farthing@elsevier.co.uk

Frequency: Published 4 issues per year in March, June, September and December.

Publication information: Transportation Research – Part E (ISSN 1366-5545). For 1999, volume 35 is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (http://www.elsevier.nl/locate/tre). Further information is available on this journal and other Elsevier Science products through Elsevier's website: (http://www.elsevier.nl). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

Orders, claims, and product enquiries: please contact the Customer Support Department at the Regional Sales Office nearest you:
New York: Elsevier Science, PO Box 945, New York, NY 10159-0945, USA; phone: (+1) (212) 633 3730 [toll free number for North American customers: 1-888-4ES-INFO (437-4636)]; fax: (+1) (212) 633 3680; e-mail: usinfo-f@elsevier.com
Amsterdam: Elsevier Science, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) 20 4853757; fax: (+31) 20 4853432; e-mail: nlinfo-f@elsevier.nl
Tokyo: Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047; e-mail: info@elsevier.co.jp
Singapore: Elsevier Science, No. 1 Temasek Avenue, #17-01 Millenia Tower, Singapore 039192; phone: (+65) 434 3727; fax: (+65) 337 2230; e-mail: asiainfo@elsevier.com.sg
Rio de Janeiro: Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil; phone: (+55) (21) 509 5340; fax: (+55) (21) 507 1991; e-mail: elsevier@campus.com.br [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

Back Issues: *Transportation Research Part E: Logistics and Transportation Review* was published prior to Volume 33, 1997 by the Faculty of Commerce and Business Administration, University of British Columbia, Vancouver, Canada V6T 1Z2, as *The Logistics and Transportation Review*. The Faculty retains back issues of all volumes published prior to 1997. Any inquiries concerning such back issues should be directed to the Faculty (*Email*: tcheung@unixg.ubc.ca).

♾The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

PERGAMON

Transportation Research Part E 35 (1999) 299–300

TRANSPORTATION RESEARCH PART E

www.elsevier.com/locate/tre

LIST OF CONTENTS

Number 1

Michael Z.F. Li	1	Estimating congestion toll by using traffic count data – Singapore's area licensing scheme
Ram Ganeshan, John E. Tyworth and **Yuanming Guo**	11	Dual sourced supply chains: the discount supplier option
Michael A. Haughton and **Alan J. Stenger**	25	Comparing strategies for addressing delivery shortages in stochastic demand settings
Michael W. Babcock, Xiaohua Lu and **Jerry Norton**	43	Time series forecasting of quarterly railroad grain carloadings
Robert Windle and **Martin Dresner**	59	Competitive responses to low cost carrier entry

Number 2

D. Jin and **H.L. Kite-Powell**	77	On the optimal environmental liability limit for marine oil transport
P. Barla and **B. Koo**	101	Bankruptcy protection and pricing strategies in the US airline industry
A.E. Ellinger, P.J. Daugherty and **Q.J. Plair**	121	Customer satisfaction and loyalty in supply chain: the role of communication
K.X. Li	135	The safety and quality of open registers and a new approach for classifying risky ships

Number 3

S.M. Dennis	145	Using spatial equilibrium models to analyze transportation rates: an application to steam coal in the United States

S.V. Gudmundsson 155 Airline failure and distress prediction: a comparison of quantitative and qualitative models

K.X. Li and J. Wonham 183 A method for estimating world maritime employment

G.D. Taylor, T.S. Meinert, R.C. Killian and G.L. Whicker 191 Development and analysis of alternative dispatching methods in truckload trucking

E. Taniguchi, M. Noritake, T. Yamada and T. Izumitani 207 Optimal size and location planning of public logistics terminals

Number 4

G. Nero 225 A note on the competitive advantage of large hub-and-spoke networks

D.A. Hensher and T.F. Golob 241 Searching for policy priorities in the formulation of a freight transport strategy: a canonical correlation analysis of freight industry attitudes

J.J. Park, M.W. Babcock and K. Lemke 269 The impact of railroad mergers on grain transportation markets: a Kansas case study

J.M. Munro 291 Book Review

P.D. Larson 294 Book Review

299 Volume Contents

301 Author Index